U.S. DEPARTMENT OF COMMERCE
National Technical Information Service

PB-295 332

Existing and Proposed Surface and Undergoing Coal Mines Region VIII Summary

(U.S.) Environmental Protection Agency, Denver, CO

Feb 79

PB 295332

EPA-908/4-79-001

Existing and Proposed
Surface and Underground Coal Mines
Region VIII Summary

Environmental Protection Agency

Rocky Mountain - Prairie Region

Region VIII

February 1979

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NATIONAL TECHNICAL
INFORMATION SERVICE
U. S. DEPARTMENT OF COMMERCE
SPRINGFIELD, VA. 22161

TECHNICAL REPORT DATA
(Please read Instructions on the reverse before completing)

1. REPORT NO.	2.	3. RECIPIENT'S ACCESSION NO. PB295332
4. TITLE AND SUBTITLE Existing and Proposed Surface and Undergroung Coal Mines Region VIII Summary		5. REPORT DATE February 1979 6. PERFORMING ORGANIZATION CODE
7. AUTHOR(S) Dan B. Kimball		8. PERFORMING ORGANIZATION REPORT NO.
9. PERFORMING ORGANIZATION NAME AND ADDRESS Office of Energy U.S. Environmental Protection Agency, Region VIII 1860 Lincoln Street Denver, Colorado 80295		10. PROGRAM ELEMENT NO. 11. CONTRACT/GRANT NO.
12. SPONSORING AGENCY NAME AND ADDRESS U.S. Environmental Protection Agency, Region VIII 1860 Lincoln Street Denver, Colorado 80295		13. TYPE OF REPORT AND PERIOD COVERED In House 14. SPONSORING AGENCY CODE

15. SUPPLEMENTARY NOTES

16. ABSTRACT

Coal mining is expected to increase three-fold between 1978 and about 1985 in the EPA Region VIII States (Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming). This report provides detailed information on existing, proposed, and speculative mines. The information includes, location, mine operator, quantity of coal mined and type of mine.

17. KEY WORDS AND DOCUMENT ANALYSIS

a. DESCRIPTORS	b. IDENTIFIERS/OPEN ENDED TERMS	c. COSATI Field/Group
Coal Mining	Coal	

18. DISTRIBUTION STATEMENT	19. SECURITY CLASS *(This Report)*	21. NO. OF PAGES
Distribution Unlimited	Unclassified	44
	20. SECURITY CLASS *(This page)* Unclassified	22. PRICE PCA03/MF-A01

EPA Form 2220-1 (9-73)

EPA-908/4-79-001

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U.S. Environmental Protection Agency

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February 1979

Prepared by The

Office of Energy

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INTRODUCTION

This report provides a summary of existing and proposed surface and underground coal mines on a State-by-State basis for the five coal-producing states (Colorado, Montana, North Dakota, Utah and Wyoming) of EPA Region VIII.

With regard to "existing" mines, the summary includes surface and underground coal mines with a 1977 production rate of 25,000 tons or more. The "proposed" mine category has been divided into two subcategories. The "planned" subcategory includes coal mining operations which have been addressed in an application to a State reclamation authority or included in and Environmental Impact Statement. The second subcategory of proposed coal mines had been termed "speculative" due to the fact that although many proposed coal mining operations have been identified, applications covering many of these operations have not been submitted to State reclamation authorities nor have they been addressed in Environmental Impact Statements.

It should be noted that the majority of information included in this summary report was collected during the Summer of 1978. Therefore, the information presented may not reflect recent mine start-ups, recent submittals of mining applications, or recent Environmental Impact Statements.

Chapter 1 provides tables which summarize regional coal production. Table 1 indicates 1977 coal production by State and divides this production into that derived from surface mining and that resulting from underground mining. Total coal production in 1977 in EPA Region VIII was 104,389,805 tons. Table 1 also shows that surface mines contributed 90,702,165 tons (or about 87%) of this production while underground mines contributed 13,687,640 tons (or about 13%). Table 2 provides an estimate of expanded coal production by State if "planned" development by about 1987 is also considered. As indicated in this table, total region production is estimated to increase to 327,941,861 tons(i.e., over a three-fold increase) as compared to 1977 production. Table 3 shows estimated regional coal production by State if both "planned" and "speculative" development are considered. As shown in Table 3, total coal production with this level of coal development would be projected to reach 501,171,861 tons (or almost a five-fold increase as compared to existing production in 1977). Projects included in this latter subcategory should be considered nothing more than in the early planning phase. The projects may never come into being. Table 4 gives the number of coal mines in Region VIII by State. As this table indicates, the number of mines, considering both "planned" and "speculative" development is expected to reach 215 (as compared to 74 mines existing in 1977).

Chapters 2,3, and 4 of the report provide lists of the "existing", "planned", and "speculative" coal mines, respectively. Each chapter contains lists of mines by State. These tables also include information such as the county in which the mine is located, the mine name, the operator, the type of mine (i.e., surface or underground), production (with potential expansion), and the market for the coal (if it could be identified). Information for these chapters was obtained from numerous sources, which have been listed in the Sources of Information section of this report.

It is hoped that this summary report will provide assistance in identifying the extent, location. and type of existing and proposed coal mining activities in EPA Region VIII. Please direct any inquiries regarding information contained in this publication to the Office of Energy, EPA Region VIII (303-837-5914). Your comments on the format, details, and distribution of this report are welcomed. It is planned to provide annual or bi-annual updates of this document.

Table 1

1977 REGION VIII COAL PRODUCTION (TONS)*

STATE	SURFACE	UNDERGROUND	TOTAL
Colorado	7,714,232	4,206,791	11,921,023
Montana	27,340,905	0	27,340,905
North Dakota	12,224,499	0	12,224,499
Utah	0	8,856,536	8,856,536
Wyoming	43,422,529	624,313	44,046,842
Total	90,702,165	13,687,640	104,389,805

*Includes production not specified on existing mine list (i.e., ≤25,000 tons per year)

Table 2

REGION VIII COAL PRODUCTION (TONS)

EXISTING AND PLANNED DEVELOPMENT **

STATE	SURFACE	UNDERGROUND	TOTAL
Colorado	9,210,695	10,472,884	19,683,579
Montana	53,240,905	100,000	53,340,905
North Dakota	40,724,499	0	40,724,499
Utah	10,000,000	31,246,036	41,246,036
Wyoming	167,822,529	5,124,313	172,946,842
TOTAL	280,998,628	46,943,233	327,941,861

*Using maximum expected productions for planned operations.

Table 3

REGION VIII COAL PRODUCTION (TONS)

EXISTING PLANNED, AND SPECULATIVE DEVELOPMENT *

STATE	Surface	Underground	Total
Colorado	15,060,695	27,072,884	42,733,579
Montana	78,240,905	100,000	78,340,905
North Dakota	65,624,499	0	65,624,499
Utah	15,500,000	59,626,036	75,126,036
Wyoming	234,222,529	5,124,313	239,346,842
TOTAL	408,648,628	92,523,233	501,171,861

*Using maximum expected production for planned and speculative operations.

Table 4

REGION VIII - Number of Coal Mines

STATE	EXISTING		PLANNED		SPECULATIVE		TOTAL		TOTAL
	Surface	Underground	Surface	Underground	Surface	Underground	Surface	Underground	Surface & Underground
Colorado	13	16	6	9	6	11	25	36	61
Montana	5	0	5	1	5	1	15	2	17
North Dakota	9	0	2	0	7	0	18	0	18
Utah	0	14	1	14	5	31	6	59	65
Wyoming	15	2	20	2	15	0	50	4	54
TOTAL	42	32	34	26	38	43	114	101	215

COAL MINES - EXISTING
STATE: COLORADO

COUNTY-MINE	OPERATOR	TYPE(S: SURFACE, U: UNDERGROUND)	1977 PRODUCTION(TONS) (WITH POTENTIAL EXPANSION)	MARKET
Delta				
Orchard Valley	Colorado Westmoreland Inc.	U	286,129 (1,250,000)	Mitchell Station, Northern Indiana Public Service Company Local domestic sales
Fremont				
Black Diamond Strip	GEC Minerals Inc.	S	30,079	Clark Station, Southern Colorado Power
Twin Pines	Twin Pines Coal Company	U	37,114	Clark Station, Southern Colorado Power
Garfield				
McClane Canyon (Loma Project)	Sheridan Enterprises	U	46,021 (3,500,000)	Unspecified out-of-state utilities
Gunnison				
Bear	Bear Coal Company	U	226,220 (243,000)	Cameo Station, Public Service of Colorado Various public utilities and industries: local domestic sales
Hawk's Nest	West Slope Carbon, Inc.	U	190,349 (750,000)	CF & I Steel; Duck Creek Station, Central Illinois Light Company Wood River Station, Illinois Power Colorado Fuel and Iron Co., Pueblo, Colorado, Local Domestic Sales
Somerset	U.S. Steel Corporation	U	914,552 (9,400,000)	U.S. Steel Mill, Geneva Works, Orem, Utah
Jackson				
Canadian Strip	R. Flesch & Son (Sigma - Consol)	S	148,560	Duck Creek Station No. 1, Central Illinois Light Company

COAL MINES - EXISTING
STATE: COLORADO (CONTINUED)

COUNTY-MINE	OPERATOR	TYPE(S: SURFACE, U: UNDERGROUND)	1977 PRODUCTION(TONS) (WITH POTENTIAL EXPANSION)	MARKET
Jackson (Cont.)				
Marr Strip No. No. 1	The Mining Company (TMC) (Kerr Coal Company)	S	344,672	Streeter Station (IA), Cedar Falls Utilities Wright Station, Fremont (NE) Dept. of Public Utilities
Las Animas				
Allen	CF & I	U	582,257 (1,900,000)	CF & I coking coal
Healey Strip	Viking Coal Company	S	95,952	Brick and cement operations in TX
Jewell Strip	Viking Coal Company	S	25,591	In-state power generation
Maxwell	CF & I	U	31,815 (500,000)	CF & I coking coal
Mesa				
C.M.C.	Cambridge Mining Corporation (General Exploration)	U	300,199 (1,400,000)	Cameo Station, Public Service of Colorado Navajo Station, Salt River Project Local domestic markets
Moffat				
Colowyo	Colowyo Coal Company	S	290,531 (3,000,000)	Drake Station, Colorado Springs Dept. of Public Utilities Coleto Creek Station, Central Power & Light Colorado, Corpus Cristi, Texas Ames Iowa Station, Ames Municipal Utility
Trapper	Utah International, Inc.	S	345,948 (2,200,000)	Craig Station, Colorado-Ute Electric Association Labadie Station, Union Electric
Wise Hill Nos. 5, 6, 7 & 9	Empire Energy Corp.	U	444,198 (2,400,000)	Prairie Creek, Sixth Street, and Sutherland Stations Iowa Electric Light & Power Drake Station, Colorado Springs Dept. of Public Utilities CF & I Steel

COAL MINES - EXISTING
STATE: COLORADO (CONTINUED)

COUNTY-MINE	OPERATOR	TYPE(S: SURFACE, U: UNDERGROUND)	1977 PRODUCTION(TONS) (WITH POTENTIAL EXPANSION)	MARKET
Jackson (Cont.)				
Marr Strip No. No. 1	The Mining Company (TMC) (Kerr Coal Company)	S	344,672	Streeter Station (IA), Cedar Falls Utilities
Las Animas				
Allen	CF & I	U	582,257 (1,900,000)	CF & I coking coal
Healey Strip	Viking Coal Company	S	95,952	Brick and cement operations in TX
Jewell Strip	Viking Coal Company	S	25,591	In-state power generation
Maxwell	CF & I	U	31,815 (500,000)	CF & I coking coal
Mesa				
C.M.C.	Cambridge Mining Corporation (General Exploration)	U	300,199 (1,400,000)	Cameo Station, Public Service of Colorado Navajo Station, Salt River Project Local domestic markets
Moffat				
Colowyo	Colowyo Coal Company	S	290,531 (3,000,000)	Drake Station, Colorado Springs Dept. of Public Utilities Coleto Creek Station, Central Power & Light Colorado, Corpus Cristi, Texas Ames Iowa Station, Ames Municipal Utility
Trapper	Utah International, Inc.	S	345,948 (2,200,000)	Craig Station, Colorado-Ute Electric Association Labadie Station, Union Electric
Wise Hill Nos. 5, 6, 7 & 9	Empire Energy Corp.	U	444,198 (2,400,000)	Prairie Creek, Sixth Street, and Sutherland Stations Iowa Electric Light & Power Drake Station, Colorado Springs Dept. of Public Utilities CF & I Steel

COAL MINES - EXISTING
STATE: COLORADO (CONTINUED)

COUNTY-MINE	OPERATOR	TYPE(S: SURFACE, U: UNDERGROUND)	1977 PRODUCTION(TONS) (WITH POTENTIAL EXPANSION)	MARKET
Montrose Nucla	Peabody Coal Company	S	94,403 (100,000)	Nucla Station, Colorado-Ute Electric Association Local & domestic markets
Pitkin Bear Creek	Mid-Continent Coal & Coke Company	U	58,351 (400,000)	Metallurgical Coal (U.S. Steel Geneva Works, Orem, Utah; Kaiser Steel Fontana Plant, Fontana, CA)
Coal Basin	Mid-Continent Coal & Coke Company	U	123,182 (200,000)	Metallurgical Coal (U.S. Steel Geneva Works, Orem, Utah; Kaiser Steel Fontana Plant, Fontana, CA)
Dutch Creek No. 1	Mid-Continent Coal & Coke Company	U	232,481 (400,000)	Metallurgical Coal (U.S. Steel Geneva Works, Orem, Utah; Kaiser Steel Fontana Plant, Fontana, CA)
Dutch Creek No. 2	Mid-Continent Coal & Coke Company	U	208,142 (300,000)	Metallurgical Coal (U.S. Steel Geneva Works, Orem, Utah; Kaiser Steel Fontana Plant, Fontana, CA)
L.S. Wood	Mid-Continent Coal & Coke Company	U	298,405 (300,000)	Metallurgical Coal (U.S. Steel Geneva Works, Orem, Utah: Kaiser Steel Fontana Plant, Fontana, CA)
Routt Edna Strip	Pittsburg & Midway Coal Mining Company	S	1,081,255 (1,100,000)	Duck Creek #1, Central Illinois Light Company Wright Station, Fremont (NE) Dept. of Utilities

COAL MINES - EXISTING
STATE: COLORADO (CONTINUED)

COUNTY-MINE	OPERATOR	TYPE(S: SURFACE, U: UNDERGROUND)	1977 PRODUCTION(TONS) (WITH POTENTIAL EXPANSION)	MARKET
Edna Strip (Cont.)				Drake Station, Colorado Springs, Dept. of Public Utilities
Energy Nos. 1 & 2	Energy Fuels Corp.	S	3,465,035	Arapahoe, Cherokee, & Cameo Stations, Public Service of Colorado
Energy No. 3	Energy Fuels Corp.	S	385,520	Midwestern Utilities Wood River Station, Illinois Power
Meadows Strip No. 1	Sun Coal Company	S	62,912	Central Illinois Light Company
Seneca	Peabody Coal Co.	S	1,291,025 (1,500,000)	Hayden Station, Colorado-Ute Electric Association
Weld				
Lincoln	Imperial Coal Company (Adolph Coors Company)	U	105,103 (300,000)	Arapahoe Station, Colorado Public Service Coors Industries

COAL MINES - EXISTING
STATE: MONTANA

COUNTY-MINE	OPERATOR	TYPE(S: SURFACE, U: UNDERGROUND)	1977 PRODUCTION(TONS) (WITH POTENTIAL EXPANSION)	MARKET
Big Horn				
Absaloka	Westmoreland Resources	S	4,529,053 (14,000,000)	Sherburne County, Riverside, and High Bridge Stations, Northern States Power Company Kapp, Lansing, Dubuque, and Fox Lake Stations, Interstate Power Edwards Station, Central Illinois Light Company Alma and Genoa Station, Dairyland Power Pulliam Station, Wisconsin Public Service Company
Decker West	Decker Coal Company (Peter Kiewit Sons' Co. and Pacific Power and Light Company)	S	10, 357,708 (11,500,000)	St. Clair Station, Detroit Edison Fisk, Crawford, Juliet, Powerton, Will County and Waukegan Stations, Commonwealth Edison State Line Station, Commonwealth Edison of Indiana
Richland				
Savage	Knife River Coal Mining Company (Montana - Dakota Utilities)	S	311,390 (400,000)	Lewis & Clark Station, Montana-Dakota Utilities
Rosebud				
Big Sky	Peabody Coal Company	S	2,333,460 (5,000,000)	Boswell and Laskin Stations, Minnesota Power and Light Co.
Colstrip	Western Energy Company (Montana Power Company)	S	9,773,675 (20,000,000)	Corette and Colstrip Stations, Montana Power Company Sherburne County, Riverside High Bridge and Minnesota Valley Stations Northern States Power

COAL MINES - EXISTING
STATE: MONTANA (CONTINUED)

COUNTY-MINE	OPERATOR	TYPE(S: SURFACE, U: UNDERGROUND)	1977 PRODUCTION(TONS) (WITH POTENTIAL EXPANSION)	MARKET
Colstrip (Cont.)				Bay Front Station, Lake Superior District Power Virginia Muncipal Power Station (MN), Dept. of Public Utilities Willmar Station (MN), Municipal Also stations of Commonwealth Edison

COAL MINES - EXISTING
STATE: NORTH DAKOTA

COUNTY-MINE	OPERATOR	TYPE(S: SURFACE, U: UNDERGROUND)	1977 PRODUCTION(TONS) (WITH POTENTIAL EXPANSION)	MARKET
Bowman Gascoyne	Knife River Coal Mining Company (Montana - Dakota Utilities)	S	2,520,363 (3,100,000)	Big Stone Station, Montana-Dakota Utilities Otter Tail Power American Colloid Company
Burke Noonan	Baukol-Noonan, Inc.	S	463, 201	Stations in Larson, ND; Dreyton, ND, Grand Forks, ND; and Crookston, MN
McClean Falkirk	Falkirk Mining Company (North American Coal Company)	S	48,641 (7,000,000)	Coal Creek Station, Cooperative Power Association
Mercer Beulah	Knife River Coal Mining Company (Montana-Dakota Utilities)	S	1,882,569 (2,500,000)	Heskett, Knife River, and Coyote Stations, Montana-Dakota Utilities Hoot Lake Station, Otter Tail Power
Glenharold	Consolidation Coal Co.	S	3,381,885 (3,800,000)	Leland Olds Station, Basin Electric Power Cooperative
Indian Head	North American Coal Co.	S	787,897 (1,500,000)	Stanton Station, United Power Assoc.
Oliver Center	Baukol-Noonan, Inc.	S	2,647,187 (4,300,000)	M.R. Young Station, Minnkota Power Cooperative, Inc. and Minnesota Power and Light Company
Stark Husky Strip	Husky Industries, Inc.	S	131,179	Husky Industries (briquet process)
Ward Velva	Consolidation Coal Co.	S	319,197	W.J. Neal Station, Basin Electric Power Cooperative

COAL MINES - EXISTING
STATE: UTAH

COUNTY-MINE	OPERATOR	TYPE(S: SURFACE, U: UNDERGROUND)	1977 PRODUCTION(TONS)* (WITH POTENTIAL EXPANSION)	MARKET
Carbon				
Belina No. 1	Valley Camp of Utah, Inc.	U	51,000 (800,000)	Gardner Station, Nevada Power
Braztah Nos. 3 & 5	Braztah Corp. (American Electric Power Corp.)	U	973,000 (3,500,000)	Midwest Power Generation
Gordon Creek Nos. 2 & 3 & Huntington No. 4	Swisher Coal Company	U	449,000 (1,000,000)	Power Station, (Mississippi), Southern Services
King	U.S. Fuel Company		822,000 (1,300,000)	Utah Industrial Use (Kennecott) Gardner Station, Nevada Power
Soldier Canyon	Soldier Creek Coal Co. (California Portland Cement Co. and Premium Coal Co.)	U	536,353 (700,000)	California Portland Cement Co. Plants
Starpoint Nos. 1 & 2	Plateau Mining Co. (United Nuclear Corp.)	U	688,000 (1,200,000)	Mitchell Station, Northern Indiana Public Service Co. Gardner Station, Nevada Power Rush Island Station (MO), Union Electric
Sunnyside Nos. 1, 2, & 3	Kaiser Steel Corporation	U	708,000 (1,000,000)	Steel Production, Fontana, Californi
Emery				
Church (formerly Deseret and Beehive)	American Coal Co. (Utah Power and Light)	U	935,000 (1,000,000)	Carbon and Gadsby Stations, Utah Power and Light
Co-op	Co-op Mining Company	U	144,000	Utah Commercial

COAL MINES - EXISTING
STATE: UTAH (CONTINUED)

COUNTY-MINE	OPERATOR	TYPE(S: SURFACE, U: UNDERGROUND)	1977 PRODUCTION(TONS)* (WITH POTENTIAL EXPANSION)	MARKET
Deer Creek	American Coal Co. (Utah Power and Light)	U	940,000 (2,400,000)	Huntington Canyon Station, Utah Power and Light
Dog Valley	Western States Coal Corp.	U	84,000 (500,000)	Domestic, industrial, and power generation in Utah, Washington, Idaho, California and Nevada
Geneva (Horse Canyon)	U.S. Steel Corporation	U	505, 000 (700,000)	U.S. Steel Geneva Steel Mill, Orem, Utah
Utah No. 2	Valley Camp of Utah, Inc.	U	163, 000 (300,000)	Utah Commercial Gardner Station, Nevada Power
Wilberg	American Coal Company (Utah Power and Light)	U	244,000 (2,200,000)	Emery Station, Utah Power and Light
Sevier				
Convulsion Canyon	Southern Utah Fuels Co.	U	1,336,000 (2,200,000)	Gavin Station, Ohio Electric Navajo Station, Salt River Project Labadie Station (MO), Union Electric Valmy Station (NV), Sierra Pacific Power Company (1981)

*Approximate production rates

COAL MINES - EXISTING
STATE: WYOMING

COUNTY-MINE	OPERATOR	TYPE(S: SURFACE, U: UNDERGROUND)	1977 PRODUCTION(TONS) (WITH POTENTIAL EXPANSION)	MARKET
Campbell Belle Ayr	AMAX	S	13,303,000 (20,000,000)	La Cygne Station, Kansas City Power & Light Jeffrey Energy Center, Kansas City Power & Light Harrington Station, Southwest Public Service Comanche Station, Public Service of Colorado Muskogee Station, Oklahoma Electric Flint Creek Power Station, Southwestern Electric Power Council Bluffs Power Station, Iowa Power & Light Power Stations in Boulder & Pueblo, Colorado and Burlington, Iowa John Amos Station (W. VA), Appalachian Power Company James E. Gavin Station (OH), Americar Electric Power Systems
Black Thunder	Thunder Basin Coal Co. (Atlantic Richfield Co.)	S	42,865 (30,000,000)	Columbus Station, Nebraska Public Power District Muskogee Station, Oklahoma Gas & Electric Amarillo, Southwest Public Service Green Bay, Wisconsin Public Service Corporation Fayette Power Project, Lower Colorado River Authority
Cordero	Sunedco (Sunoco Energy Development Company)	S	2,128,545 (24,000,000)	Deely Station (TX), City Public Service San Antonio, San Antonio Public Service

COAL MINES - EXISTING
STATE: WYOMING (CONTINUED)

COUNTY-MINE	OPERATOR	TYPE(S: SURFACE, U: UNDERGROUND)	1977 PRODUCTION(TONS) (WITH POTENTIAL EXPANSION)	MARKET
Cordero (Cont.)				Laramie River Station, Basin Electri Power Corporation Ottumwa Station, Iowa Electric Utilities Louisa Station, Iowa-Illinois Gas & Electric Co., Iowa Public Service Co., Iowa Power & Light Co., Easter Iowa Light & Power Cooperative & City of Tipton, Iowa (1982)
Rawhide	Carter Coal Company	S	1,096,240 (12,000,000)	Iowa Public Service Grand River Dam Authority Sioux City Station, Union Electric Nebraska City Station, Omaha Public Power District
Wyodak	Wyodak Resources Development Company	S	857,038 (5,000,000)	Neil Simpson, Osage, Ben French and Kirk Stations, Black Hills Power & Light Company
Carbon				
Medicine Bow	Medicine Bow Coal Company (Arch Minerals Corporation and Rocky Mountain Energy)	S	1,200,000 (3,000,000)	Neal Station, Iowa Public Service Tecumseh and Lawrence Station, Kansas City Power and Light Co. Mitchell Station, Northern Indiana Public Service Co., Labadie Station (MO), Union Electric, Rush Island Station (MO), Union Electric
Rimrock No. 1, 2, & 3	Energy Development (Iowa Public Service)	S	1,017,003 (To close in 1978)	Neal Station, Iowa Public Service
Rosebud	Rosebud Coal Sales (Peter Kiewit and Sons')	S	2,806,239	Neal Station, Iowa Public Service Rush Island Station (MO), Union Electric Valmont Station, Public Service of Colorado Omaha Public Service District North Omaha Station, Omaha Public River

COAL MINES - EXISTING
STATE: WYOMING (CONTINUED)

COUNTY-MINE	OPERATOR	TYPE(S: SURFACE, U: UNDERGROUND)	1977 PRODUCTION(TONS) (WITH POTENTIAL EXPANSION)	MARKET
Carbon (Cont.)				
Seminoe #1	Arch Mineral Corporation	S	2,242,137 (2,500,000)	Sheldon Station, Nebraska Public Power Hawthorn Station, Kansas City Power & Light Waukegan Station, Commonwealth Edison
Seminoe #2	Arch Mineral Corporation	S	2,543,900 (3,500,000)	North Omaha Station, Omaha Public Power Michigan City, Schahfer, and Mitchell Stations, Northern Indiana Public Service Company Labadie Station (MO), Union Electric
Vanguard No. 2	Energy Development (Iowa Public Service)	U	387,936 (1,200,000)	Neal Station, Iowa Public Service
Converse				
Dave Johnston	Pacific Power and Light (NERCO)	S	3,236,616	Dave Johnston Station, Pacific Power and Light
Lincoln				
Skull Point	FMC	S	718,789 (1,000,000)	FMC Trona Plant and Formcoke Plant
South Block	Kemmerer Coal Company	S	4,385,065	Naughton Station, Utah Power & Light Kramer Station, Nebraska Public Powe Allied Chemical Trona Plant Amalgamated Sugar
Sheridan				
Big Horn	Big Horn Coal Company (Peter Kiewit and Sons')	S	2,394,532	Fisk and Will County Stations, Commonwealth Edison Other Markets: MO, IL, WY, IA, SD, ND, MT, and MN

COAL MINES - EXISTING
STATE: WYOMING (CONTINUED)

COUNTY-MINE	OPERATOR	TYPE(S: SURFACE, U: UNDERGROUND)	1977 PRODUCTION(TONS) (WITH POTENTIAL EXPANSION)	MARKET
Sweetwater				
Jim Bridger	Pacific Power and Light (NERCO)	S	5,448,953 (7,100,000)	Jim Bridger Station, Pacific Power and Light Spot markets in Idaho, Oregon, and Nevada
Stansbury No. 1	Rocky Mountain Energy and Ideal Basic Industries, Inc.	U	230,000 (1,000,000)	Ideal Cement Company Texas-Gulf Corporation Spot markets in Montana, Washington, Utah, Colorado, and Nebraska

COAL MINES - PLANNED
STATE: COLORADO

COUNTY-MINE	OPERATOR	TYPE(S: SURFACE, U: UNDERGROUND)	EXPECTED PRODUCTION(TONS) (WITH POTENTIAL EXPANSION)	MARKET
Archuleta				
Chimney Rock	Chimney Rock Coal Company	S	4,366 (1977) to 250,000 (by 1979)	CF&I (Pueblo, Colorado) and domestic uses.
Delta				
Blue Ribbon	Sunflower Energy Corp.	U	8,320 (1977) to 70,000 (by 1980)	Local domestic markets and public utilities
Tomahawk	Quinn Coal Co.	S	24,171 (1977) to 25, 000 (by 1980)	Various unspecified out-of-state utilities and local domestic sales
Garfield				
Sunlight	Carbon King Ltd.	U	1,792 (1977) to 500,000 (by 1985)	Local and domestic markets
Gunnison				
Mt. Gunnison	Atlantic Richfield Co.	U	2,130,000 (by 1985)	Unspecified utilities market (most likely out-of-state)
Huerfano				
Pryor Strip	Viking Coal Company	S	100,000 (by 1978)	In-state power generation and Texas cement plants
Mesa				
Cameo Nos. 1 & 2	General Exploration	U	800,000 (by 1980) to 1,400,000 (by 1985)	Mississippi Power Company, Jackson County, Mississippi
Coal Canyon	Mid-Continent Coal and Coke Co.	U	200,000 (by 1985)	Unspecified out-of-state utilities
Cottonwood Creek Nos. 1 & 2	Mid-Continent Coal and Coke Co.	U	400,000 (by 1985)	Unspecified out-of-state utilities
Pitkin				
Thompson Creek Nos. 1 & 3	Anshutz Coal Company	U	14,959 (1977) to 1,000,000 (by 1985)	Western metallurgical markets

COAL MINES - PLANNED
STATE: COLORADO (CONTINUED)

COUNTY-MINE	OPERATOR	TYPE(S: SURFACE, U: UNDERGROUND)	EXPECTED PRODUCTION(TONS) (WITH POTENTIAL EXPANSION)	MARKET
Rio Blanco				
Rienau No. 2 (Sewanee)	Northern Coal Group Northern Natural Gas Co.	U	8,836 (1977) to 300,000 (by 1980)	Utilities out-of-state & Indiana Public Service Company
Routt				
Grassy Creek	Rockcastle Coal Company	S	250,000 (by 1980)	Unspecified
Hayden Gulch	Yampa River Mining Co.	S	600,000 (by 1979)	Corpus Christi, TX utility
Milner	Northern Coal Group Northern Natural Gas Co.	S	300, 000 (by 1980)	Unspecified
Sun	Ruby Construction	U	300,000 (by 1978)	In-state markets

COAL MINES - PLANNED
STATE: MONTANA

COUNTY-MINE	OPERATOR	TYPE(S: SURFACE, U: UNDERGROUND)	EXPECTED PRODUCTION(TONS) (WITH POTENTIAL EXPANSION)	MARKET
Big Horn				
East Decker	Decker Coal Company (Peter Kiewit Sons' Co. and Pacific Power & Light)	S	4,900,000 (by 1980)	Power plants, City of Austin, TX, Commonwealth Edison, and Detroit Edison
North Decker	Decker Coal Company (Peter Kiewit Sons' Company and Pacific Power and Light)	S	2,000,000 (by 1981), to 4,000,000 (by 1985)	Power plants, City of Austin, TX, Commonwealth Edison, and Detroit Edison
Pearl	Shell Oil Company	S	1,000,000 (by 1981) to 2,000,000 (by 1982)	Unspecified
Spring Creek	Northern Energy Resources Company (NERCO)	S	3,000,000 (by 1980) to 10,000,000 (by 1982)	Contract with Utility Fuels, Inc. (subsidiary of Houston Industries)
Carbon				
Beartooth	Beartooth Coal Corp.	U	100,000 (by 1979)	Local markets
Rosebud				
Nance	MONTCO	S	3,000,000 (by 1982) to 5,000,000 (by 1965)	Unspecified

COAL MINES - PLANNED
STATE: NORTH DAKOTA

COUNTY-MINE	OPERATOR	TYPE(S: SURFACE, U: UNDERGROUND)	EXPECTED PRODUCTION(TONS) (WITH POTENTIAL EXPANSION)	MARKET
Dunn				
Unnamed (AMAX)	Natural Gas Pipeline Co. of America / AMAX	S	13,900,000 (1985)	Natural Gas Pipeline Co. Coal Gasification Plant
Mercer				
Coteau (Beulah North)	North American Coal Co. (Coteau Properties, Inc.)	S	14,600,000 (1985)	Antelope Valley Station, Basin Electric Power Cooperative (5,200,000 tons per year) American Natural Gas Co. Coal Gasification Plant (9,400,000 tons per year)

COAL MINES - PLANNED
STATE: UTAH

COUNTY-MINE	OPERATOR	TYPE(S: SURFACE, U: UNDERGROUND)	EXPECTED PRODUCTION(TONS) (WITH POTENTIAL EXPANSION)	MARKET
Carbon				
"B" Canyon	U.S. Steel Corporation	U	500,000 (by 1985) to 1,000,000 (by 1990)	U.S. Steel Mill, Geneva Works, Orem, Utah
Belina No. 2	Valley Camp of Utah, Inc.	U	700,000 (by 1985) to 1,000, 000 (by 1990)	Unspecified
Deadman Canyon	AMCA Coal Leasing Inc.	U	700,000 (by 1985) to 1,000,000 (by 1990)	Unspecified
Dugout Canyon and Fish Creek (Sage Point)	Pacific Gas and Electric	U	2,000,000 (by 1985) to 3,200,000 (by 1990)	Proposed Pacific Gas and Electric power plant in northern California
McKinnon Nos. 1 & 2	Routt County Development Ltd.	U	2,200,000 (by 1985) to 3,500,000 (by 1990)	Unspecified
O'Connor No. 1	Valley Camp of Utah, Inc.	U	1,000,000 (by 1985) to 1,400,000 (by 1990)	Unspecified
Emery				
Mountain States Resources No. 1	Mountain States Resources	U	500,000 (by 1985)	Nevada Power, Intermountain Power Project, and Portland Cement Compan of Utah (potential)
Trial Mountain	Trial Mountain Coal Company	U	10,500 (1977) to 1,000,000 (by 1985)	Sold to Swisher Coal Company
Kane				
Alton	Utah International, Inc. (Nevada Power Company)	S	5,000,000 (by 1985) to 10,000,000 (by 1990)	Proposed Harry Allen and Warner Valley Power Stations, Nevada Power Company
Blue	El Paso Energy Resources Company	U	350,000 (by 1985) to 500,000 (by 1990)	Arizona power plants

COAL MINES - PLANNED
STATE: UTAH (CONTINUED)

COUNTY-MINE	OPERATOR	TYPE(S: SURFACE, U: UNDERGROUND)	EXPECTED PRODUCTION(TONS) (WITH POTENTIAL EXPANSION)	MARKET
Kane (Cont.)				
John Henry	5 M Corporation	U	1,000,000 (by 1990)	Unspecified
Kaiparowits Nos. 1, 2, 3, 4, & 5	Mono Power (et. al.)	U	650,000 (by 1985) to 12,000,000 (by 1990)	Arizona power plant (1,000,000 TPY), full market unspecified
Red	El Paso Energy Resources Company	U	0 by (1985) to 6,300,000 (by 1990)	Unspecified
Sevier				
Knight	Coal Search Corporation	U	20,000 (1978) to 1,000,000 (by 1983)	Domestic markets in southern Idaho and power generation
Skumpah Canyon (Accord Lake)	Energy Reserves Group	U	700, 000 (by 1985) to 1,000,000 (by 1990)	Unspecified

COAL MINES - PLANNED
STATE: WYOMING

COUNTY-MINE	OPERATOR	TYPE(S: SURFACE, U: UNDERGROUND)	EXPECTED PRODUCTION(TONS) (WITH POTENTIAL EXPANSION)	MARKET
Campbell				
Buckskin	Shell Oil Company	S	4,000,000 (by 1981)	Unspecified
Caballo	Carter Coal Company	S	1,000,000 (by 1979) to 10,000,000 (by 1983) (under construction)	Omaha Public Power
Coal Creek	Atlantic Richfield Co.	S	2,000,000 (by 1982) to 18,000,000 (by 1985)	Fayette Power Project, Lower Colorado River Authority Western Unit #3, Wisconsin Public Service Corporation
Eagle Butte	AMAX	S	3,800,000 (by 1978) to 16,300,000 (by 1985) (under construction)	Power stations in Southern, Midwestern, and Ohio River Valley States
East Gillette No. 16	Kerr-McGee Corporation	S	3,000,000 (by 1980) to 4,000,000 (by 1981) (under construction)	Power Station (LA), Cajun Electric Cooperative, Inc.
East Gillette	Kerr-McGee Corporation	S	1,200,000 (by 1980) to 12,500,000 (by 1982)	Unspecified
Jacobs Ranch	Kerr-McGee Corporation	S	2,500,000 (by 1978) to 15,000,000 (by 1985) (under construction)	Power stations, Arkansas Power & Light, Central Louisiana Electric Company, Gulf States Utilities, Public Service of Oklahoma, and Houston Power and Light
Pronghorn	Mobil Oil Company and Consolidation Coal Co.	S	2,000,000 (by 1980) to 5,000,000 (by 1982)	Unspecified
Rochelle	Peabody Coal Company	S	5,000,000 (by 1980) to 11,000,000 (by 1985)	Panhandle Eastern coal gasification plant

COAL MINES - PLANNED
STATE: WYOMING (CONTINUED)

COUNTY-MINE	OPERATOR	TYPE(S: SURFACE, U: UNDERGROUND)	EXPECTED PRODUCTION(TONS) (WITH POTENTIAL EXPANSION)	MARKET
Campbell (Cont.)				
WYMO	WYMO Fuels Inc. (Kansas City Power & Light)	S	4,000,000 (by 1979)	Kansas City Power and Light power stations
Carbon				
Carbon County	Carbon County Coal Co. (Dravo Corp. and Rocky Mountain Energy Co.)	U	200,000 (by 1979) to 2,500,000 (by 1980)	Northern Indiana Public Service Co.
Cherokee	Pacific Power and Light (NERCO)	S	2,000,000 (by 1984) to 3,500,000 (by 1985)	Pacific Power and Light power stations
Fremont				
Muddy Creek Strip	Muddy Creek Coal Company	S	350,000 (by 1979) to 1,000,000 (by 1985)	Utilities in Chicago area
Lincoln				
North Block	Kemmerer Coal Company	S	1,500,000 (by 1983)	Unspecified
Twin Creek	Cumberland Coal Company (Peter Kiewit Sons' Company and Rocky Mountain Energy Company)	S	3,000,000 (by 1983)	Customers in Idaho, Nevada, and Texas
Sheridan				
Ash Creek (PSO #1)	Public Service of Oklahoma	S	100,000 (by 1978) to 500,000 (by 1979)	Power plants, Public Service of Oklahoma
Dutchman	Great Plains Resources and Development Company	S	250,000 (by 1979)	Presently local industrial and domestic markets
Welch	Sheridan Enterprises	S	300,000 (by 1979) to 3,000,000 (by 1981)	Unspecified
Whitney	Peter Kiewit Sons' Company	S	1,000,000 (by 1980)	Unspecified

COAL MINES - PLANNED
STATE: WYOMING (CONTINUED)

COUNTY-MINE	OPERATOR	TYPE(S: SURFACE, U: UNDERGROUND)	EXPECTED PRODUCTION(TONS) (WITH POTENTIAL EXPANSION)	MARKET
Sweetwater				
Black Butte	Black Butte Coal Co. (Peter Kiewit Sons' Company and Rocky Mountain Energy Company)	S	7,000,000 (by 1984)	Power stations of Commonwealth Edison of Chicago and Idaho Power Company
Long Canyon	Sunoco Energy Development Company and Rocky Mountain Energy Company	U	2,000,000 (by 1984)	Power stations on the East Coast and in the Pacific Northwest
Uinta				
South Haystack	Cumberland Coal Company (Peter Kiewit Sons' Company and Rocky Mountain Energy Company)	S	3,000,000 (by 1980)	Power stations in Nevada and Pacific Northwest

COAL MINES - SPECULATIVE
STATE: COLORADO

COUNTY-MINE	OPERATOR	TYPE(S: SURFACE, U: UNDERGROUND)	EXPECTED PRODUCTION(TONS) (WITH POTENTIAL EXPANSION)	MARKET
Adams Watkins	Mintech Corp. (Cameron Engineers)	U	2,000,000 (by 1980) to 10,000,000 (by 1983)	Mine-Mouth Gasification
Delta King	Adolph Coors Co.	U	250,000 (by 1980) to 500,000 (by 1981)	Coors Industries
Fairview	Western States Coal Co.	U	250,000 (by 1985)	Local industry and domestic markets
Farmers	Coal Fuels Corporation	U	500,000 (by 1980)	Unspecified
Elbert Station Creek	Cameron Engineers	S	500,000 (by 1979) to 1,000,000 (by 1980)	Industrial fuel
Gunnison Edward's	Empire Energy	U	500,000 (by 1985)	Unspecified
Jackson Unnamed	Zapata-Getty	S	2,000,000 (by 1981)	Unknown
Las Animas Lorencito	Freeport Coal Company	U	200,000 (by 1982) to 1,000,000 (by 1984)	Eastern Steel Mills
Unnamed	Tipperary Oil and Gas Corp.	U	500,000 (1978)	Iron ore reduction plant in Western Kansas
Mesa McGinley	Eagle Head Coal Co.	U	300,500 (by 1978) to 500,000 (by 1984)	Unknown
McKinley No. 1	Energy and Export Co. Ltd.	U	100,000 (by 1978) to 300,000 (by 1982)	Unknown

COAL MINES - SPECULATIVE
STATE: COLORADO (CONTINUED)

COUNTY-MINE	OPERATOR	TYPE(S: SURFACE, U: UNDERGROUND)	EXPECTED PRODUCTION(TONS) (WITH POTENTIAL EXPANSION)	MARKET
Rio Blanco				
N.E. Rangely (Gordon)	Moon Lake Electric Co.	S & U	500,000 (by 1983) to 2,300,000 (by 1985)	Proposed Power Station, Moon Lake Electric Company
Rio Blanco County	Midland Coal Co.	S	200,000 (by 1981) to 300,000 (by 1982)	Unknown
Routt				
Dawson Unit	Coal Fuels Corp.	U	500,000 (by 1978) to 2,000,000 (by 1980)	Unknown
Routt County	American Electric Power Service Corporation	S	1,000,000 (by 1981) to 1,400,000 (by 1982)	Midwest power plants

COAL MINES - SPECULATIVE
STATE: MONTANA

COUNTY-MINE	OPERATOR	TYPE(S: SURFACE, U: UNDERGROUND)	EXPECTED PRODUCTION(TONS) (WITH POTENTIAL EXPANSION)	MARKET
Big Horn				
CX Ranch	Consolidation Coal Co.	S	1,500,000 (by 1981) to 5,000,000 (by 1983)	Unknown
Blaine				
Warburton	Blane Warburton	S	Unspecified	Local markets
Carbon				
Bridger	Don Morse	U	100,000 (by 1985)	Local markets
Crow Reservation				
East Sarpy Creek	AMAX	S	5,000,000 (by 1984)	Unknown
Youngs Creek	Shell Oil Company	S	4,000,000 (by 1982) to 10,000,000 (by 1985)	Contracts with Cajun Electric
McCone				
Circle West	Dreyer Brothers	S	1,000,000 (by 1984) to 5,000,000 by 1985)	Proposed Circle West Ammonia Plant

COAL MINES - SPECULATIVE
STATE: NORTH DAKOTA

COUNTY-MINE	OPERATOR	TYPE(S: SURFACE, U: UNDERGROUND)	EXPECTED PRODUCTION(TONS) (WITH POTENTIAL EXPANSION)	MARKET
Grant				
Sprecher	Knife River Coal Co.	S	3,101 (1977) to 1,500,000 (by 1985)	Unspecified
McClean				
Nokota No. 1 (Garrison)	Nokota Company	S	6,600,000 (by 1983)	Unspecified
No. 2 Mine	Nokota Company	S	3,300,000 (by 1983)	Unspecified
Underwood	Consolidation Coal Co.	S	1,500,000 (by 1985)	Unspecified
Washburn	Consolidation Coal Co.	S	5,000,000 (by 1985)	Unspecified
Mercer				
Dakota Star	Consolidation Coal Co.	S	4,000,000 (by 1982)	American Natural Gas Co. Coal Gasification Plant
Renner's Cove	Consolidation Coal Co.	S	3,000,000 (by 1984)	Unspecified

COAL MINES - SPECULATIVE
STATE: UTAH

COUNTY-MINE	OPERATOR	TYPE(S: SURFACE, U: UNDERGROUND)	EXPECTED PRODUCTION(TONS) (WITH POTENTIAL EXPANSION)	MARKET
Carbon				
Centennial	Centennial Resources Co.	U	1,000,000 (by 1981)	Unspecified
Clear Creek No. 7	Swisher Coal Company	U	300,000 (by 1990)	Unspecified
McKinnon No. 3	Routt County Development Ltd.	U	Unknown	Unknown
Mohrland	U.S. Fuels Company	U	400,000 (by 1980) to 2,500,000 (by 1984)	Unknown
Tip Top	John Sanders	U	50,000 (by 1990)	Unknown
Unnamed	Island Creek Coal Company	U	200,000 (by 1978)	Proposed California power plant
Emery				
Cedar Creek Canyon (King No. 6)	U.S. Fuel Company	U	1,500,000 (1990)	Unknown
Coal Creek No. 7	Swisher Coal Company	U	Unknown	Unknown
Cottonwood	Utah Power and Light	U	Unknown	Unknown
Crandall Canyon	Utah Power and Light	U	Unknown	Unknown
Emery No. 1	Emery Coal, Inc.	U	1,000,000 (by 1982)	Unspecified
Emery Strip	Consolidation Coal Company	S	1,500,000 (by 1982)	Unspecified
Huntington Canyon No. 5	Swisher Coal Company	U	500,000 (by 1985)	Unspecified

COAL MINES - SPECULATIVE
STATE: UTAH (CONTINUED)

COUNTY-MINE	OPERATOR	TYPE(S: SURFACE, U: UNDERGROUND)	EXPECTED PRODUCTION(TONS) (WITH POTENTIAL EXPANSION)	MARKET
Emery (Cont.)				
Meetinghouse	Utah Power and Light	U	Unknown	Unknown
North Horn Mountain	Utah Power and Light	U	2,000,000 (by 1990)	Unknown
Rilda Canyon	Western American Energy Corporation	U	200,000 (by 1978)	Unspecified
Thompson	Western American Energy Corporation (Wes-Pac Energy)	U	3,500 (1978) to 500,000 (by 1980)	Unspecified
Garfield				
Carcass Canyon	Utah Resources International, Phelps Dodge Corporation, and Belco Petroleum	U	Unknown	Unknown
Garfield	Utah Power and Light	U	4,000,000 (by 1990)	Unknown
Garfield County	Meadowlark Farms, Inc.	U & S	2,000,000 (by 1990)	Unknown
Lieu Lands	Utah Power and Light Company	U	Unknown	Unknown
Shakespeare	Fulton and Denton	U	30,000 (by 1990)	Unknown
White Mountain	Woods Petroleum Corporation	U & S	5,000,000 (by 1990)	Unknown
Kane				
Escalante	Utah Power and Light	U	2,000,000 (by 1983) to 6,000,000 (by 1985)	Proposed Garfield Power, Utah Power and Light Company
South Nipple Butte	Hiko Bell Mining and Oil Co.	U	500,000 (by 1990)	Unknown

COAL MINES - SPECULATIVE
STATE: UTAH (CONTINUED)

COUNTY-MINE	OPERATOR	TYPE(S: SURFACE, U: UNDERGROUND)	EXPECTED PRODUCTION(TONS) (WITH POTENTIAL EXPANSION)	MARKET
Sanpete Sanpete County	Canyon Fuel Company	U	400,000 (by 1990)	Unknown
Sevier Coastal States	Coastal States	U	Unknown	Unknown
Hansen	L.B. Hansen	U	700,000 (by 1990)	Unknown
Knight	Energy Reserves Group	U	500,000 (by 1978) to 1,500,000 (by 1980)	Unknown
Mountain States Resources Nos. 2, 3, 4, 5, & 6	Mountain States Resources	U	Unknown	Unknown
Old Woman Plateau	Utah Power and Light	U	Unknown	Unknown
Rock Canyon	Energy Reserves Group	U	700,000 (by 1979) to 1,500,000 (by 1980)	Unknown
Unnamed	Clinton Oil Company	U	1,000,000 (by 1980)	Commercial
Uintah Mill Draw	Energy Plus (Kandahar Resources)	S	Unknown	Unknown
Wayne Factory Butte	Atlas Minerals	S	300,000 (by 1978) to 500,000 (by 1980)	Unknown

COAL MINES - SPECULATIVE
STATE: WYOMING

COUNTY-MINE	OPERATOR	TYPE(S: SURFACE, U: UNDERGROUND)	EXPECTED PRODUCTION(TONS) (WITH POTENTIAL EXPANSION)	MARKET
Campbell				
100% Mine	Mobil Oil Corporation	S	3,000,000 (by 1983) to 15,000,000 (by 1988)	Power stations in Upper Mississippi River Valley and Gulf Coast States
North Antelope	Peabody Coal Company and Panhandle Eastern Pipeline Company	S	3,000,000 (by 1982) to 5,000,000 (by 1984)	Power stations of Arkansas Power and Light and Middle South Utilities
South Rawhide	Carter Coal Company	S	7,000,000 (by 1985)	Unspecified
Wildcat Creek	Pittsburgh and Midway Coal Mining Company (Gulf Oil Company)	S	3,000,000 (by 1983) to 10,000,000 (by 1986)	Unknown
Carbon				
Atlantic Rim	Rocky Mountain Energy Company and Drummand	S	2,000,000 (by 1984)	Unknown
Carbon Basin	Commonwealth Edison	S	5,000,000 (by 1985)	Commonwealth Edison Power Stations
China Butte	Arch Minerals Corporation and Rocky Mountain Energy Company	S	4,000,000 (by 1982)	Unknown
Hanna South	Arch Minerals Corporation	S	Unknown	Unknown
North Knobs	Iowa Public Service (Energy Development)	S	500,000 (by 1982)	Iowa Public Service Power Stations
Red Rim	Iowa Public Service (Energy Development and Rocky Mountain Energy Company)	S	2,000,000 (by 1981)	Iowa Public Service Power Stations
Converse				
Antelope	Pacific Power and Light (NERCO)	S	3,000,000 (by 1983) to 10,000,000 (by 1985)	Pacific Power and Light Power stations

COAL MINES - SPECULATIVE
STATE: WYOMING (CONTINUED)

COUNTY-MINE	OPERATOR	TYPE(S: SURFACE, U: UNDERGROUND)	EXPECTED PRODUCTION(TONS) (WITH POTENTIAL EXPANSION)	MARKET
Converse (Cont.)				
Unnamed	Western Fuels	S	5,000,000 (by 1985)	Unknown
Hot Springs				
Grass Creek	Northwest Resources (Western Energy Company)	S	700,000 (by 1980)	Unknown
Johnson				
Lake Desmet	Texaco, Inc.	S	Unknown	Coal gasification
Lincoln				
Deadman	Cravat Coal	S	200,000 (by 1979)	Unknown

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